

REMARKS

Claims 24-26, 36, 37, 41, and 42 remain in the application. In the Office Action mailed April 19, 2005, the drawings, the specification, and the claims have been objected to because of informalities. By this amendment, the applicants have amended the drawings, the specification, and the claims to obviate those objections. In view of the above amendments and following remarks, the applicants believe that the application is in condition for allowance now.

In the Drawings

The drawings were objected to by the Office Action because the drawings do not show all the features of the invention specified in the claims. By this amendment, the applicants have amended FIG.1 and FIG.2. Two replacement sheets of drawings including FIG.1 and FIG.2 are enclosed in EXHIBIT A and two annotated sheets showing the changes are enclosed in EXHIBIT B. In the new substitute FIG.1, a block of VIBRATORY SENSOR is added at the beginning (most left part) of the flow chart. Support of this amendment can be found in paragraph No.13 at page 4 and in paragraph No.52 at page 10. In the new substitute FIG.2, a function block, which includes steps of MEASURING A PARAMETER OF AN OBJECT AND GENERATING AN ANALOG SINUSOID REPRESENTATIVE OF THE PARAMETER, is added at the head of the flow chart in FIG.2. The amendment is supported by the specification, for example in paragraph Nos. 39 and 40 at page 8. Therefore, no new matter is added. The amended drawings show all the features specified in the claims. Therefore, the objections to the drawings should be reconsidered and withdrawn.

In the Specification

The specification was objected to because of informality. By this amendment, the applicants have amended paragraph No. 60 at page 12 to delete an extra “.” in line 8 of paragraph

No. 60. Therefore, the objection is obviated now.

The applicants have also amended paragraph No. 52 at page 10 to accommodate the above amendments to the drawings. Particularly, in paragraph 52, at first line, “(not shown)” is deleted. No new matter is added in the amendment.

In the Claims

In paragraph 5 of the Action, claims 24-26, 36, 37, 41, and 42 were objected to because of informalities in the claims. By this amendment, the claims have been amended to correct the informalities. The amendments are supported by the specification. No new matter is added.

In paragraph 7 of the Action, claims 24-26, 36, 37, 41, and 42 were rejected under 35 U.S.C. 112, first paragraph, as failing to comply with the enablement requirement. Particularly, the Examiner stated that, for example, claim 24 claims that the “vibratory sensor” produces an analog sinusoid signal in response to the measurement of a **parameter**, however, the specification does not teach what parameter is involved in the measurement. Also, as stated by the Examiner, claims 36 and 42 recite “measuring the parameter of **an object**, however, the specification does not teach what kind of object whose parameter is being measured, and, in addition, the specification does not teach how to generate the sinusoid signal representative of the measured parameter. The applicants respectfully disagree with the Examiner’s conclusion.

Claim 24 claims that a system includes a vibratory sensor which produces an analog sinusoidal signal output in response to the measurement of a parameter. A person skilled in the art should understand that a vibratory sensor is generally used to measure a parameter (e.g., vibration) of an object and generate a signal in response to the measurement of the parameter. As described in the specification, the vibratory sensor can be a vibratory accelerometer for measuring the movement of an object. Exemplary vibratory accelerometers can be found in the

prior art. For example, U.S. Patent No.5,350,189 titled Capacitance Type Accelerometer For Air Bag System teaches an accelerometer for measuring the force (or acceleration) applied to an object. The capacitance type accelerometer can be used to measure an acceleration of a car. The accelerometer is adapted to generate an electrical signal representative of the acceleration of the car. The force (or acceleration) to be measured can be the “parameter” as referred to in the claims of the present application and the “car” can be the “object” as referred to in the claims of the present application. In view of the prior art and the present disclosure, one skilled in the art should appreciate what parameter to be measured and what kind of objects whose parameters are measured.

Paragraph No.2 of the present application describes another example of the vibratory accelerometer, which includes a pair of tuning forks consisting of vibrating beams. The vibratory accelerometer can be attached to various type of objects to measure the vibration of the object. The vibration of the object causes the vibration of the forks, which generate signals responsive to the vibration. The output signal associated with each tuning-fork can be considered as a modulated sinusoidal signal. Therefore, the present disclosure teaches how to configure the vibratory sensor to generate an analog sinusoid signal representative of the measured parameter.

The two exemplary embodiments described above show exemplary vibratory sensors. A person skilled in the art should understand that the claimed invention should not be limited to the examples described above.

In view of the present disclosure and the prior art, a person having ordinary skills in the art should be able to make and use the present invention as specified in the claims. The applicants respectfully submit that the claims 24-26, 36, 37, 41, and 42 meet the enablement requirement of 35 U.S.C. 112 first paragraph.

Appl. Serial No.: 10/691,866
Examiner: Jean B. Corrielus
Reply to Office Action of April 19, 2005

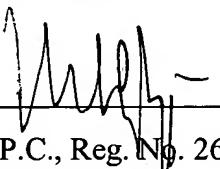
Conclusion

Based on the foregoing, the applicants assert that claims 24-26, 36, 37, 41 and 42 are in condition for allowance. If the examiner believes that a telephone conference with the applicants' attorney would further the prosecution of the application, he is invited to telephone the undersigned at the number listed below.

If additional fees are required, or otherwise necessary to cover any deficiency in fees already paid, authorization is hereby given to charge our deposit account no. 50-1133.

Respectfully submitted,
McDermott Will & Emery LLP

Date: 7/19/05



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Amendments to the Drawings:

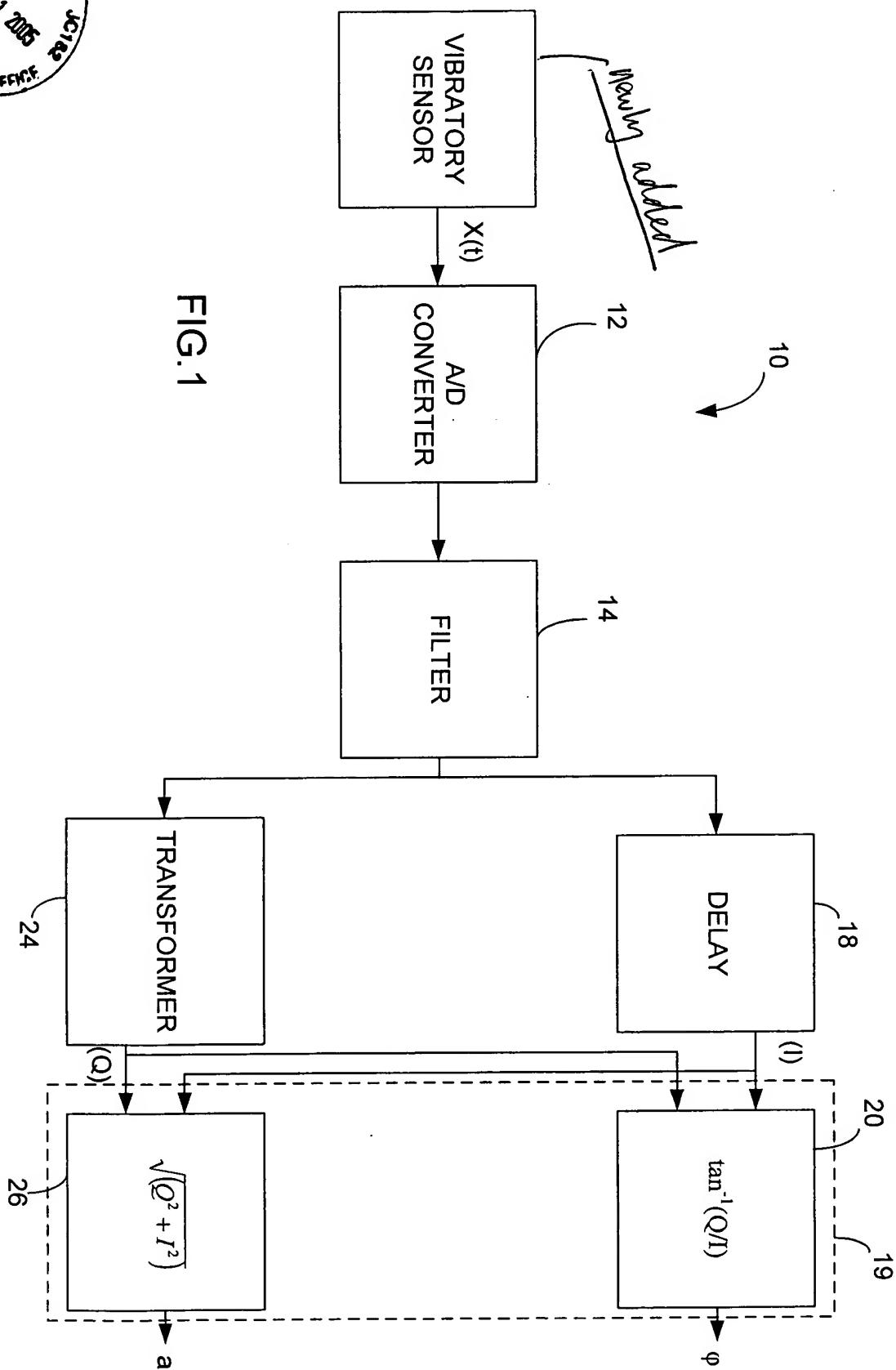
Please substitute the enclosed two sheets of drawings including FIG.1 and FIG.2 (enclosed in EXHIBIT A) for the original FIG.1 and FIG.2. In the new substitute FIG.1, a block of VIBRATORY SENSOR is added at the beginning (most left part) of the flow chart. In the new substitute FIG.2, a function block is added at the head of the flow chart. The amendments are supported by the specification. No new matter is added.

Attachments: Two replacement sheets of drawings including FIG.1 and FIG.2 presented in EXHIBIT A.

Two annotated sheets of drawings showing the changes presented in EXHIBIT B.



FIG. 1



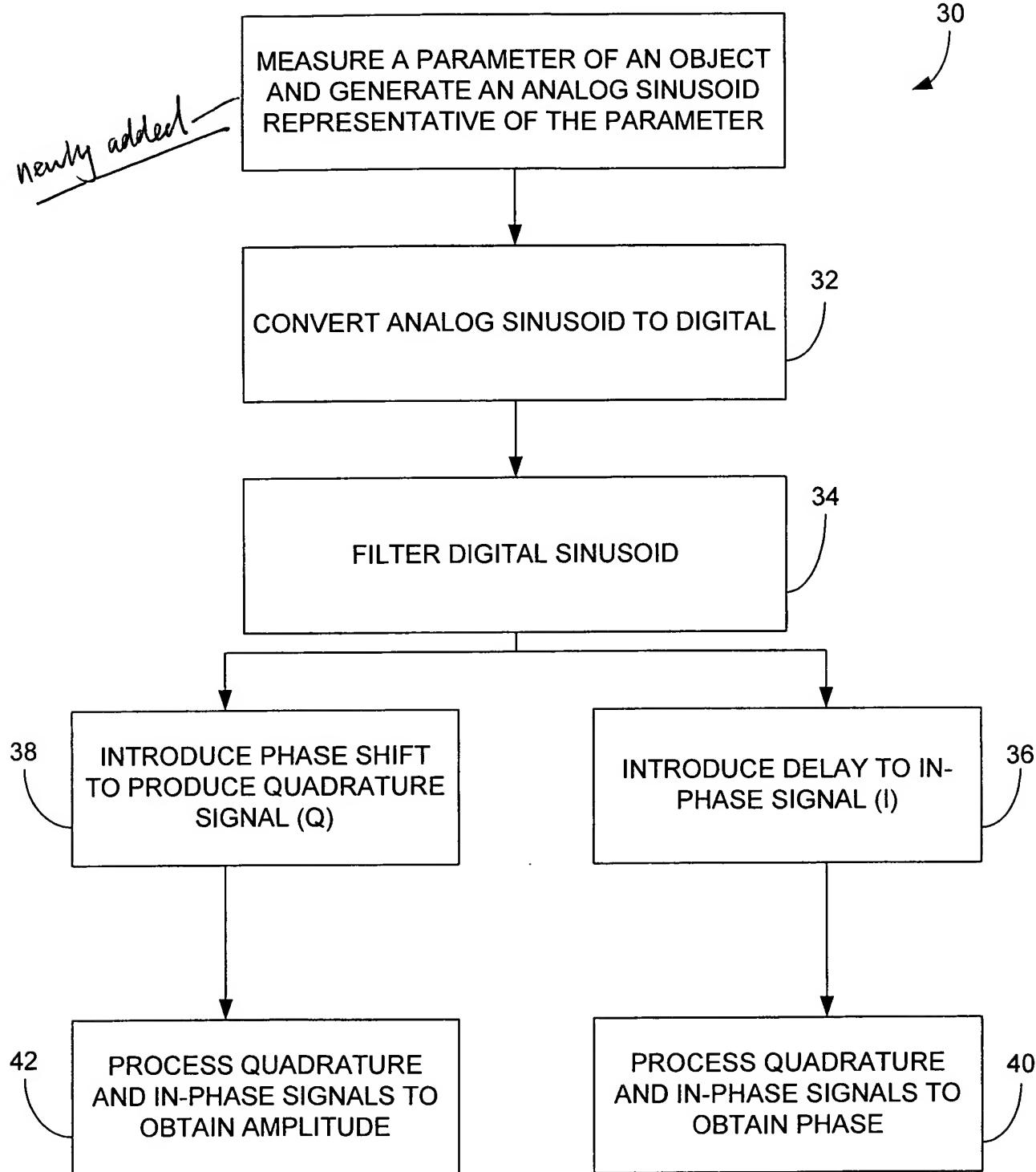


FIG.2